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## OM protein - protein search, using sw model

Run on: August 14, 2002, 10:51:54 ; Search time 27.32 Seconds  
(without alignments)  
27.716 Million cell updates/sec

Title: US-09-785-059-3

Perfect score: 176  
Sequence: 1 RMIRVQRCRAIRHRIIRIGIRLRLRV 31Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0  
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summariesDatabase : Issued Patents, AA.\*  
1: /cgn2\_6/ptodata/2/1aa/5A.COMB.pep.\*  
2: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep.\*  
3: /cgn2\_6/ptodata/2/1aa/6A.COMB.pep.\*  
4: /cgn2\_6/ptodata/2/1aa/6B.COMB.pep.\*  
5: /cgn2\_6/ptodata/2/1aa/PCITUS.COMB.pep.\*  
6: /cgn2\_6/ptodata/2/1aa/backfiles1.pep.\*

Pred. NO. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	99	56.2	28	1	US-08-786-748A-160
2	99	56.2	28	2	US-08-932-682-160
3	94	53.4	28	1	US-08-786-748A-14
4	94	53.4	28	1	US-08-786-748A-19
5	94	53.4	28	1	US-08-786-748A-24
6	94	53.4	28	2	US-08-932-682-14
7	94	53.4	28	2	US-08-932-682-19
8	94	53.4	28	2	US-08-932-682-24
9	89	50.6	28	1	US-08-786-748A-1
10	89	50.6	28	1	US-08-786-748A-16
11	89	50.6	28	1	US-08-786-748A-26
12	89	50.6	28	2	US-08-932-682-1
13	89	50.6	28	2	US-08-932-682-16
14	89	50.6	28	2	US-08-932-682-26
15	89	50.6	338	3	US-08-486-099-90
16	89	50.6	338	3	US-08-360-107A-100
17	89	50.6	338	3	US-08-484-223B-90
18	89	50.6	338	3	US-08-919-597-90
19	89	50.6	338	3	US-08-475-668A-90
20	89	50.6	338	3	US-08-485-551A-90
21	89	50.6	338	4	US-08-471-913A-90
22	89	50.6	338	4	US-08-485-264A-90
23	89	50.6	338	4	US-08-474-349A-90
24	89	50.6	345	4	US-09-272-342B-7
25	89	50.6	859	4	US-08-472-240A-10
26	89	50.6	856	4	US-07-916-098A-2
27	89	50.6	861	1	US-08-127-499A-14

28	89	50.6	861	1	US-08-482-847-14	Sequence 14, Appl
29	89	50.6	861	4	US-07-956-483-10	Sequence 10, Appl
30	89	50.6	861	4	US-07-956-483-16	Sequence 16, Appl
31	89	50.6	861	4	US-08-472-240A-1	Sequence 1, Appl
32	89	50.6	861	4	US-08-472-240A-7	Sequence 7, Appl
33	85	48.3	28	1	US-08-786-748A-15	Sequence 15, Appl
34	85	48.3	28	1	US-08-786-748A-25	Sequence 25, Appl
35	85	48.3	28	2	US-08-932-682-15	Sequence 25, Appl
36	85	48.3	28	2	US-08-932-682-25	Sequence 25, Appl
37	84	47.7	28	1	US-08-786-748A-162	Sequence 162, App
38	84	47.7	28	1	US-08-786-748A-163	Sequence 163, App
39	84	47.7	28	2	US-08-932-682-162	Sequence 163, App
40	84	47.7	28	2	US-08-932-682-163	Sequence 164, App
41	83	47.2	28	1	US-08-786-748A-164	Sequence 165, App
42	83	47.2	28	1	US-08-786-748A-165	Sequence 165, App
43	83	47.2	28	2	US-08-932-682-164	Sequence 164, App
44	83	47.2	28	2	US-08-932-682-165	Sequence 165, App
45	81	46.0	28	1	US-08-786-748A-27	Sequence 27, Appl

## ALIGNMENTS

RESULT 1  
US-08-786-748A-160  
; Sequence 160, Application US/08786748A  
; Patent No. 5714577  
; GENERAL INFORMATION:  
; APPLICANT: Ronald, Montelaro C.  
; APPLICANT: Tencza, Sarah B.  
; APPLICANT: Metzner, Timothy A.  
; TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES  
; NUMBER OF SEQUENCES: 169  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond  
; STREET: 30 Rockefeller Plaza  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10112-0228  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/786,748A  
; FILING DATE: 24-JAN-1997  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/010,634  
; FILING DATE: 26-JAN-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Rochelle K. Seide  
; REGISTRATION NUMBER: 32,300  
; REFERENCE/DOCKET NUMBER: AP30421  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-408-2500  
; TELEFAX: 212-765-2519  
; INFORMATION FOR SEQ ID NO: 160:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 28 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: NO. 5714577e  
; US-08-786-748A-160

Query Match 56.2%; Score 99; DB 1; Length 28;  
Best local Similarity 82.1%; Pred. No. 4; le-07;  
Matches 23; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

OY 1 RWIRVQRCRAIRHRRIRGRLRRL 28  
| | | | | | | | | | | | | | | | |  
DB 1 RVIRVQACRAIRHRRIRGRLRRL 28

RESULT 2  
US-08-932-682-160  
; Sequence 160, Application US/08932682  
; Patent No. 5945507  
; GENERAL INFORMATION:  
; APPLICANT: Ronald, Montelaro C.  
; APPLICANT: Tencza, Sarah B.  
; APPLICANT: Mietzner, Timothy A.  
; TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES  
; NUMBER OF SEQUENCES: 169  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BAKER & BOTS, L.L.P.  
; STREET: 30 Rockefeller Plaza  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10112-0228  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: FASTSEQ Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/932,682  
; FILING DATE: 18-SEP-1997  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/786,748  
; FILING DATE: 24-JAN-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Rochelle K. Seide  
; REGISTRATION NUMBER: 32,300  
; REFERENCE/DOCKET NUMBER: AP30421-A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-705-5000  
; TELEFAX: 212-765-2519  
; INFORMATION FOR SEQ. ID NO: 160:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 28 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: No. 5945507e  
US-08-932-682-160

Query Match 56.2%; Score 99; DB 2; Length 28;  
Best Local Similarity 82.1%; Pred. No. 4.1e-07;  
Matches 23; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

OY 1 RWIRVQRCRAIRHRRIRGRLRRL 28  
| | | | | | | | | | | | | | | | |  
DB 1 RVIRVQACRAIRHRRIRGRLRRL 28

RESULT 3  
US-08-786-748A-14  
; Sequence 14, Application US/08786748A  
; Patent No. 5714577  
; GENERAL INFORMATION:  
; APPLICANT: Ronald, Montelaro C.  
; APPLICANT: Tencza, Sarah B.  
; APPLICANT: Mietzner, Timothy A.  
; TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES  
; NUMBER OF SEQUENCES: 169  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Brunbaugh, Graves, Donohue & Raymond  
; STREET: 30 Rockefeller Plaza

CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10112-0228  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/786,748A  
FILING DATE: 24-JAN-1997  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/010,634  
FILING DATE: 26-JAN-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Rochelle K. Seide  
REGISTRATION NUMBER: 32,300  
REFERENCE/DOCKET NUMBER: AP30421  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-765-2519  
TELEFAX: 212-408-2500  
INFORMATION FOR SEQ. ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 5714577e  
US-08-786-748A-14

Query Match 53.4%; Score 94; DB 1; Length 28;  
Best Local Similarity 78.6%; Pred. No. 1.9e-06;  
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

OY 1 RWIRVQRCRAIRHRRIRGRLRRL 28  
| | | | | | | | | | | | | | | | |  
DB 1 RVIRVQACRAIRHRRIRGRLRRL 28

RESULT 4  
US-08-786-748A-19  
; Sequence 19, Application US/08786748A  
; Patent No. 5714577  
; GENERAL INFORMATION:  
; APPLICANT: Ronald, Montelaro C.  
; APPLICANT: Tencza, Sarah B.  
; APPLICANT: Mietzner, Timothy A.  
; TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES  
; NUMBER OF SEQUENCES: 169  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Brunbaugh, Graves, Donohue & Raymond  
; STREET: 30 Rockefeller Plaza  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10112-0228  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FASTSEQ Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/786,748A  
; FILING DATE: 24-JAN-1997  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/010,634  
; FILING DATE: 26-JAN-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Rochelle K. Seide

```

3
; REGISTRATION NUMBER: 32,300
; REFERENCE/DOCKET NUMBER: AP30421
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-408-2500
; TELEFAX: 212-765-2519
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 5714577e
; US-08-786-748A-19

Query Match          53.4%; Score 94; DB 1; Length 28;
Best Local Similarity 78.6%; Pred. No. 1.9e-06;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 RWIRVQWCAIRIHRIIRIRIGLRRL 28
Db 1 RVIRVQGCACRAIRIHRIIRIRIGLRRL 28

RESULT 5
US-08-786-748A-24
; Sequence 24, Application US/08786748A
; Patent No. 5714577
; GENERAL INFORMATION:
; APPLICANT: Ronald, Montelaro C.
; APPLICANT: Tencza, Sarah B.
; APPLICANT: Mietzner, Timothy A.
; TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES
; NUMBER OF SEQUENCES: 169
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10112-0228
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/786,748A
; FILING DATE: 24-JAN-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/010,634
; FILING DATE: 26-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Rochelle K. Seide
; REGISTRATION NUMBER: 32,300
; REFERENCE/DOCKET NUMBER: AP30421
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-408-2500
; TELEFAX: 212-765-2519
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 5714577e
; US-08-786-748A-24

Query Match          53.4%; Score 94; DB 1; Length 28;
Best Local Similarity 78.6%; Pred. No. 1.9e-06;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
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Qy 1 RWIRVQWCAIRIHRIIRIRIGLRRL 28
Db 1 RVIRVQGCACRAIRIHRIIRIRIGLRRL 28

RESULT 6
US-08-932-682-14
; Sequence 14, Application US/08932682
; Patent No. 5945507
; GENERAL INFORMATION:
; APPLICANT: Ronald, Montelaro C.
; APPLICANT: Tencza, Sarah B.
; APPLICANT: Mietzner, Timothy A.
; TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES
; NUMBER OF SEQUENCES: 169
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BAKER & BOTTS, L.L.P.
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10112-0228
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/932,682
; FILING DATE: 18-SEP-1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/786,748
; FILING DATE: 24-JAN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Rochelle K. Seide
; REGISTRATION NUMBER: 32,300
; REFERENCE/DOCKET NUMBER: AP30421-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-705-5000
; TELEFAX: 212-765-2519
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 5945507e
; US-08-932-682-14

Query Match          53.4%; Score 94; DB 2; Length 28;
Best Local Similarity 78.6%; Pred. No. 1.9e-06;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 RWIRVQWCAIRIHRIIRIRIGLRRL 28
Db 1 RVIRVQGCACRAIRIHRIIRIRIGLRRL 28

RESULT 7
US-08-932-682-19
; Sequence 19, Application US/08932682
; Patent No. 5945507
; GENERAL INFORMATION:
; APPLICANT: Ronald, Montelaro C.
; APPLICANT: Tencza, Sarah B.
; APPLICANT: Mietzner, Timothy A.
; TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES
; NUMBER OF SEQUENCES: 169
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BAKER & BOTTS, L.L.P.
```



	Matches	21; Conservative	0; Mismatches	7; Indels	0; Gaps
QY	1	RWIRVVQRMCAIRIHMRIRIGLPRWL	28		
Db	1	RVLVEVQCACRAIRHPRIRIGLERIL	28		

```

US-08-786-748A-16
SEQUENCE 16, APPLICATION US/08786748A
PATENT NO. 5714577
GENERAL INFORMATION:
APPLICANT: Ronald, Montelaro C.
APPLICANT: Tencza, Sarah B.
APPLICANT: Metzner, Timothy A.
TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES
NUMBER OF SEQUENCES: 169
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10112-0228
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/786,748A
FILING DATE: 24-JAN-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/010,634
FILING DATE: 26-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Rochelle K. Seide
REGISTRATION NUMBER: 32,300
REFERENCE/DOCKET NUMBER: AP30421
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-408-2500
TELEFAX: 212-765-2519
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
STRANDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: NO. 5714577e
US-08-786-748A-16
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Query Match	50.6%;	Score 89;	DB 1;	Length 28;
Best Local Similarity	75.0%;	Pred. No. 8.9e-06;		
Matches 21; Conservative	0;	Mismatches 7;	Indels 0;	Gaps 0

RESULT 11  
 US-08-786748A-26  
 : Sequence 26, Application US/08786748A  
 : Patent No. 5714577  
 :  
 : GENERAL INFORMATION:  
 :  
 : APPLICANT: Ronald, Montelaro C.  
 :  
 : APPLICANT: Tencza, Sarah B.  
 : APPLICANT: Mletzner, Timothy A.  
 : TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES  
 : NUMBER OF SEQUENCES: 169  
 : CORRESPONDENCE ADDRESS:  
 :

ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond  
STREET: 30 Rockefeller Plaza  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10112-0228  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/786,748A  
FILING DATE: 24-JAN-1997  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/010,634  
FILING DATE: 26-JAN-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Rochelle K. Seide  
REGISTRATION NUMBER: 32,300  
REFERENCE/DOCKET NUMBER: AP30421  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-765-2500  
TELEFAX: 212-765-2519  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 28 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: NO. 5714577e  
US-08-786-748A-26

Query Match	50.6%;	Score 89;	DB 1;	Length 28;
Best Local Similarity	-75.0%;	Pred. No. 8.9e-06;		
Matches	21;	Conservative	0;	Mismatches 7;
			Indels	0;
			Gaps	0;

RESULT 12  
 US-08 932-682-1  
 : Sequence 1, Application US/08932682  
 : Patent No. 5945507  
 : GENERAL INFORMATION:  
 : APPLICANT: Ronald, Montelaro C.  
 : APPLICANT: Tencza, Sarah B.  
 : APPLICANT: Mieczner, Timothy A.  
 : TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES  
 : NUMBER OF SEQUENCES: 169  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: BAKER & BOTS, L.L.P.  
 : STREET: 30 Rockefeller Plaza  
 : CITY: New York  
 : STATE: New York  
 : COUNTRY: USA  
 : ZIP: 10112-0228  
 : COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Diskette  
 : COMPUTER: IBM Compatible  
 : OPERATING SYSTEM: MS-DOS  
 : SOFTWARE: FASTED Version 2.0  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: US/08/932,682  
 : FILING DATE: 18-SEP-1997  
 : CLASSIFICATION: 530  
 : PRIOR APPLICATION DATA:  
 : APPLICATION NUMBER: 08/786,748  
 : FILING DATE: 24-JAN-1997





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